

# Counterpoise

## The Amateur Radio Club of El Cajon

Volume XLVIII

January 2007

Number 1



Amateur Radio Club of El Cajon meets every 2nd Thursday at 7:00 pm at the First Lutheran Church of El Cajon. The address is 867 South Lincoln Ave. Next meeting:

January 11, 2006 7:00 pm

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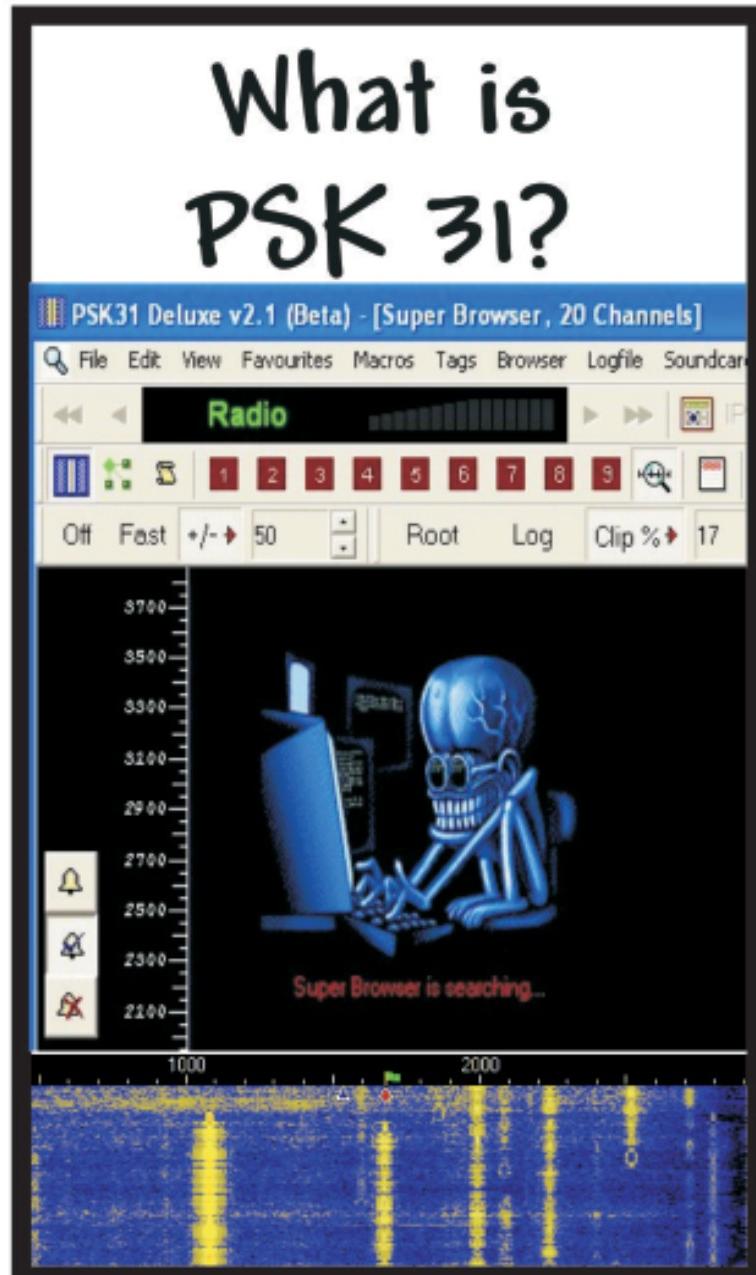
All Official written communication is to be submitted to:

A.R.C.E.C. P.O. Box 50, El Cajon, CA 92022  
The Counterpoise is a publication of the Amateur Radio Club of El Cajon (ARCEC). It is published once monthly and contributions are accepted from officers and members of the club. We also encourage input from members of the Amateur Radio Club of El Cajon. Opinions expressed are solely that of the author and do not necessarily reflect the opinions of the Amateur Radio Club of El Cajon (ARCEC). Articles may be submitted either by e-mail or mail to the editor.

Paul Rios at:  
WA6BGScounterpoise@cox.net or by post  
1237 Victor Ave #4, El Cajon, CA 92021  
The Deadline is Sunday after the General Meeting.

Amateur Radio Club of El Cajon  
Web Site: <http://www.wa6bgs.org>

Counterpoise E-Mail address  
WA6BGScounterpoise@cox.net



January Meeting PSK 31 DEMO!

## 2007 Officers

President	KC6QLS	Paul Rios	593-9445
Vice-President	AI6O	Ed Felter	668-0928
Secretary	N6OPH	Mike Maston	296-9067
Treasurer	KG6JCW	Mike "Stogie" Panger	263-4439

## From The President

Paul KC6QLS



## 2007 Board of Directors

Affiliated Clubs	AE6AV	Larry Plummer	460-1818
Instructor	AE6QW	Gordon Shackelford	561-6323
Membership	KC6TBG	Ann Rios	593-9445
Net Manager	KG6TDP	Mike Oberbauer	444-9090
Public Service	N6NKJ	Rich Beisigl	444-5465
Social	KD6PRV	Anselmo Ruiz	574-0720

## 2007 Standing Committees

Bylaws	KF6XY	John Cordle	697-2700
Club Attire	K6PKS	Paul Schmidt	733-2284
Counterpoise Editor	KC6QLS	Paul Rios	593-9445
Education	N6OPH	Mike Maston	296-9067
Elmer	OPEN		
EOC H2O District	KF6XY	John Cordle	697-2700
Estate Sales	N6JOJ	Tom Myrick	449-3547
Field Day	AI6O	Ed Felter	668-0928
Health & Welfare	KF6XY	John Cordle	697-2700
Historian	OPEN		
Photographer	KI6EEL	Bridget Rios	
Post Mistress	KC6TBG	Ann Rios	593-9445
Prizes	WA6PPG	Carl Ferree	328-2694
Public Relations	KC6QLS	Paul Rios	593-9445
SANDARC Delegate	K5WFW	Len Fulbright	258-1322
Swap Meet	N6JOJ	Tom Myrick	449-3547
Technical	W6RHV	Bob Boehme	448-4728
Ticket Lady	KI6EEK	Lisie Rios	
WA6BGS Trustee	AE6CQ	Michael Martak	562-6477
WAMO	W6CCM	Erich Bennett	401-7332
Web Master	KC6QLS	Paul Rios	593-9445

**Happy New Year! Wow what a year it has been; 2<sup>nd</sup> annual Mother Goose Parade, Field Day, Picnic, Fire Station #6 Open House, Christmas Dinner and we even did the Convention somewhere in 2006. I hope everyone had FUN!**

I'm very happy to be your President for 2007. This year we plan to continue to do the FUN stuff and we will try some new things. We would like to see the Radio Clause and an Elmer Program started. People have been asking about an Elmer Program for the new Hams to the club. We need to pass on all the wisdom we have "Tubes and Solid-state" to the new Hams. We may even have some hands-on classes on how to solder the PL-259 and how to check for a bad tube. Let's all work together to make 2007 another fun and successful year for the ARCEC.

73,  
Paul Rios, KC6QLS  
President

## Staff and Writers:

KC6QLS	Paul	Editor
AI6O	ED	Vice President
N6OPH	Mike	Meeting Minutes
KI6FIH	Tassy	HAM Spot Light
W6CCM	Erich	WAMO Report
W5COM	Tom	Jokes
N6NKJ	Rich	The A.R.E.S Connection
KK6MS	John	Down Below in EC
WA6MHZ	Pat	Crest Radio Museum
KI6EEL	Bridget	Photos

## Fun Page

On the Fun Page each month there will be one or two of the following: Brain Thinker, Crossword Puzzle, Word Search, or Maze. Any member who correctly completes all the monthly puzzles may submit them at that month's membership meeting prior to 8:00 PM for a bonus participation point. So that means that members have a chance to earn 12 more participation points this year. Only Members who are present and correctly complete the puzzles may receive the bonus point on the night of the meeting only. NO e-mail, faxes and/or snail mail will be accepted.

We hope you enjoy the "Fun Page Challenge".

## SANTEE DRIVE-IN SWAP MEET

10990 Woodside Ave., North  
FOR INFORMATION, CALL 449-SWAP  
Ham Radio, Computers, Electronics  
ACRES & ACRES OF BARGAINS  
1st & 3rd Saturday of the Month  
**GATES OPEN 6:30 AM**

# Amateur Radio Club of El Cajon

General Membership Meeting  
14 December 2006



The general membership meeting of the Amateur Radio Club of El Cajon was called to order by the club president Paul Rios, KC6QLS at 1925hrs. Alexander led the recitation of the pledge of allegiance.

SECRETARY'S: report was approved as published in the Counterpoise.

TREASURER'S: report was read by Mike, N6OPH in the absence of the treasurer. It was approved as read and filed for audit.

PRESIDENT: Rios announced the parameters for the election of officers and for ham of the year. Paul also outlined his ideas for the 2007 year club activities. The possibility of a club station was discussed as well and training for newly licensed hams.

Two committees were appointed to count the election ballots and the ham of the year ballots. The winner of the ham of the year will be announced during the Christmas party on 18 December at 1900 hrs at Home Town Buffet in El Cajon.

ELECTION RESULTS: The following have been elected or re-elected;

President: Paul Rios, KC6QLS

Vice President: Ed Felter, AI6O

Secretary: Mike Maston, N6OPH

Treasurer: Mike "Stogie" Panger, KG6JCW

Board of Directors: Ann Rios, KC6TBG

Rich Beisigl, N6NKJ

Mike Oberbauer, KG6TDP

Larry Plummer, AE6AV

Gordon Shackleford, AE6QW

Anselmo Ruiz, KD6PRV.

After the break, the business portion of the meeting continued.

John, KF6XY spoke about the repeater location within the water district. Gary has already installed the antenna for the radio. There are no scheduled drills as of yet.

HEALTH & WELFARE: John reported that Tom N6JOJ has had recent knee surgery and that Susan, KF6WXA will undergo heart surgery next week.

EDUCATION: report was given by Mike, N6OPH.

The next technician class will be held on 9 January 2007 at 222 W. Madison Ave., El Cajon.

COUNTERPOISE AND PUBLIC RELATIONS:

report was given by Paul, KC6QLS. He stated that the Mother Goose Parade was a great success. Paul is looking for people to be in the "Spotlight."

VICE PRESIDENT: Ed, AI6O reported that after two months, he has yet to eat a donut at the general membership meeting. The PSK net is becoming very successful.

Paul, K6PSK announced that he has three jackets left as well as caps for club attire.

Stogie, KG6JCW has been appointed eastern district DEC on a temporary basis.

MEMBERSHIP: Ann, KC6TBG reported 239 members and 46 members in attendance along with one new member. He is Gregg Potter, KF6TFG and received the WAMO number of 1726.

PUBLIC SERVICE: Chairman Rich, N6NKJ reported that there will be Special Olympics in April and that operators are desperately needed. Mike, KG6TDP announced the times and days for the various nets including the WAMO nets.

There being no further business before the general membership, the meeting was adjourned at 2100hrs.

Michael Paul Maston, N6OPH  
Secretary  
Amateur Radio Club of El Cajon



<b>AI6O</b>	<b>FELTER FINANCIAL GROUP, INC</b> Financial and Estate Planning <b>Ed Felter, President</b>  8080 La Mesa Blvd Suite #113 La Mesa CA 91941 Phone: (619) 668-0929 Fax: (619) 668-5666 E-mail: edfelter@pacbell.net
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## From The Vice President AI6O ED



First, may I wish each and everyone a happy and prosperous New Year.

Also, let me say thank you to all for the opportunity to once again serve as your Vice President for the coming year. I really appreciate this club and am a strong supporter of our good President (and Ham of the Year!), Paul Rios. I feel we work very well together and I know we both will do our part in making 2007 another great year for ARCEC.

Our January meeting program will be an on-the-air demonstration of PSK31. We plan to have two working stations that will be sending and receiving so that the full process will be visible and understandable. We will have several club members available for Q and A during the demo.

As you are aware, the Morse code requirement will be dropped sometime in the very near future. While I am happy that I was able to get the 20 wpm certificate, I also realize that times have changed and modes have been added. Whatever your opinion regarding this issue, the decision has been made and now we must move on. What a great time to come together as never before, embracing all hams irrespective of class of license or requirements on examination. It seems to me that we must agree that amateur radio is a serving hobby. If you are a new ham or, like me, you've been hamming it up for nearly 50 years, we all can serve our communities and have fun. ARCEC can help with both!

Straight ahead!

Ed, AI6O



### WA6BGS Nets

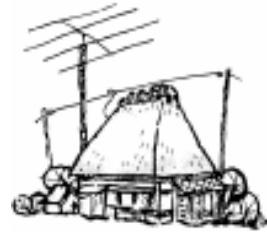
Mike Oberbauer:	KG6TDP	Net Manger
Mike Oberbauer:	KG6TDP	Net Controller
Frito	N6WKB	Wide Open Nets
Ed Felter	AI6O	WAMO/D

#### WAMO NETS:

Wednesday and Saturday Nights  
8:00 pm local time 7:30 "Checkins"

#### Tuesday Night Rag Chew net:

8:00 pm  
Nets held on club repeaters  
WA6BGS Repeaters  
RX 146.475 (147.420) 107.2 PL  
RX 224.080 – 107.2 PL  
RX 445.900 – 107.2 PL  
Don't miss it. All members welcome.



#### New WAMO/D Net ARCEC, San Diego Digital VHF Net

Time: 8:00 p.m.  
Day: Thurs. "Except 2<sup>nd</sup> Thurs. of the month"  
Mode: PSK31  
Frequency: 50.290 MHz. and a QSY to 144.144 MHz

This is an open net and all are invited. Early check-ins will be taken. Hope to see you on the waterfall!

WAMO means Worked All Members Only. The purpose of WAMO is to encourage people to people communication between club members and to publicize the name of the club among fellow amateurs.

## Calendar of Events January 2007

Jan.	1:	New Years Day
Jan.	2:	Board Meeting, 7:00 pm
Jan.	6:	Swap Meet, Santee Drive In, 6:30 am
Jan.	6:	T-Hunt, Grossmont College lot, 6:00 pm
Jan.	11:	General Meeting, 7:00 pm
Jan.	13:	ARES Meeting, 8:00 am
Jan.	19:	Counterpoise Dead Line
Jan.	20:	Swap Meet, Santee Drive In, 6:30 am
Jan.	20:	T-Hunt, Grossmont College lot, 6:00 pm

## Upcoming Event Dates

May.	10:	T-Shirt contest ENDS
June.	23:	Field Day 2007
July.	21:	ARCEC Annual Picnic
Oct.	??:	Fire Station Open House
Nov.	18:	Mother Goose Parade

## LAKESIDE MUFFLER & WELDING

COMPLETE AUTO REPAIR



GARY YATES  
OWNER

(619) 561-3202

12461 WOODSIDE AVE.  
LAKE SIDE, CA 92040



Tom Mc Duffie KM6K, Manager  
5375 Kearny Villa Road  
San Diego, CA 92123  
(858) 560-4900 or 1-800-854-6046

The Counterpoise is also online in FULL COLOR. Check it out and the club's website at: [www.wa6bgs.org](http://www.wa6bgs.org)

Get your advanced copy by e-mail. I will send it out in .PDF format the night it goes to print. E-mail me and let me know that you would like a copy. Size of file maybe up to 1.5 mb at times.

## Change of Address

### Moving?

Do not miss an issue of the Counterposie. Fill out the Change of address form below.

Call \_\_\_\_\_ WAMO# \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

New Address:

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Send to Membership Chairperson:

A.R.C.E.C./ P.O. Box 50, El Cajon, CA 92022

## ARCEC Membership Application

1. Amateur Call Sign	2. Class of License
3. First Name	4. Last Name
5. Street Address	6. City, State, Zip+4
7. Home Phone	8. Work Phone
May we list: Y N	
9. DOB	10. e-mail
11. ARRL Member  Yes    no	12. ARES Member  Yes    No
13. RACES Member  Yes    No	14. Sponsored by: or Family Member

Return this form with check made payable to the Amateur Radio Club of El Cajon or ARCEC for new or renewal membership. Annual Dues \$18.00 for Individual, \$30.00 for family. New members add \$5.00 per member. Include your call on Check. Mail to

**Membership Chairperson**  
A.R.C.E.C., P.O. Box 50, El Cajon, CA 92022

New () or Renewal ()	WAMO Number
Certificate Issued	Dues from _____ To _____
Paid Cash ()  Check ()	Check No. Date Paid:

### Computer Roster Available

Want the roster sent to you via e-mail? Send an e-mail to Ann Rios KC6TBG, and she will send you the database back as an attachment. She uses Excel, but may be able to convert to various formats if asked. Send your request to 619-593-9445 or KC6TBG@cox.net

# FUN PAGE

## Birthdays January

January	1	N6LCH	Carl	Palechek
January	2	N6EK	Steve	Frick
January	3	KE6IQX	Rebecca	Taylor
January	4	KI6FIF	Carl	Cookson
January	5	WA6PTZ	George	Kochel
January	5	KA6TFD	Ken	Steele
January	6	AD6O	Jim	Quinn
January	6	KA6BKR	Tony	Hernandez
January	7	N6WKB	Frito	Samano
January	7	WA6LNF	Edward	Redman
January	7	KG6NNU	Bob	Nowak
January	11	KE6PW	Roger	Brown
January	13	KG6WGN	Brett	Newbould
January	18		Mona	Rios
January	19	KI6GJC	Dan	Severance
January	22	KA6OTR	Al	Mercer
January	22	KG6FBV	Calvin	Tyler
January	22		Monica	Zech
January	23	KB9WFS	Brian	Churchwell
January	25	KN6CB	Doug	Konishi
January	27	KG6BWN	Nicholas	Utschig
January	29	KB6HEW	Frank	Martin
January	29	K6UMA	Joe	Mc Cormick
January	29	WA6PPG	Carl	Ferree
January	29	K6KGW	Michael	Koffler
January	30	KF6TGF	Gregg	Potter
January	31	W3NRG	Ed	Sack

Did I miss your Birthday or is yours next month?  
Your Birthday may not be on the Roster.

E-mail me: WA6BGScounterpoise@cox.net

## Brain Thinkers

Dec-2006

2 = P. in a P.      2 Peas in a Pod

3 = W. M. at B.      3 Wise Men at Bethlehem

1000 = W. that a P. is W.

1000 Words that a Picture is Worth

----- This Months -----

4 = Q. in a F. G. ?

200 = D. for P. G. in M. ?

365 = D. in a Y. ?

5280 = F. in a M. ?

## Word Search "New Years"

T	I	M	E	S	Q	U	A	R	E	A	W	O	W	O
H	A	H	A	N	Q	I	T	R	L	O	S	E	R	A
G	F	R	E	Q	U	E	N	C	V	Z	P	A	H	E
I	D	F	X	W	D	A	W	P	W	E	J	D	D	I
N	E	W	Y	E	A	R	N	G	L	R	E	D	I	C
D	K	N	A	U	N	W	J	P	D	T	I	H	O	N
I	G	Z	G	N	T	X	D	F	Z	C	I	B	U	N
M	S	S	I	K	E	N	I	P	N	F	A	G	F	X
A	W	H	A	F	N	F	P	N	J	L	D	X	K	D
J	F	E	U	P	N	J	O	I	J	Y	E	R	F	N
W	R	L	G	N	A	H	L	K	H	Y	A	N	B	A
D	R	D	W	H	P	J	E	G	X	A	N	B	O	C
R	E	N	C	O	U	N	T	D	O	W	N	W	M	O
P	N	A	R	M	X	D	F	W	U	F	B	A	I	E
X	N	C	K	E	W	U	Z	G	K	H	Z	Q	L	S
Z	I	A	S	O	L	O	R	C	Y	C	L	E	Y	W
M	D	F	U	D	H	S	E	V	I	T	A	L	E	R

- |                                     |  |
|-------------------------------------|--|
| <input type="checkbox"/> ANTENNA    | <input type="checkbox"/> MIDNIGHT      |
| <input type="checkbox"/> CANDLE     | <input type="checkbox"/> NEW YEAR      |
| <input type="checkbox"/> CIDER      | <input type="checkbox"/> RADIO         |
| <input type="checkbox"/> COUNTDOWN  | <input type="checkbox"/> RELATIVES     |
| <input type="checkbox"/> DINNER     | <input type="checkbox"/> RESOLUTION    |
| <input type="checkbox"/> DIPOLE     | <input type="checkbox"/> SECOND CHANCE |
| <input type="checkbox"/> FAMILY     | <input type="checkbox"/> SOLOR CYCLE   |
| <input type="checkbox"/> FREQUENCY  | <input type="checkbox"/> TIME SQUARE   |
| <input type="checkbox"/> HOME       | <input type="checkbox"/> VERTICAL      |
| <input type="checkbox"/> MICROPHONE | <input type="checkbox"/> YAGI          |

BOUNCE WORD  KISS

## Last Month's Word Search

F	R	I	E	N	D	S	H	I	P	W	B	K	L	B
B	A	N	W	O	W	P	O	W	S	G	L	W	S	
O	D	V	L	H	Z	I	X	J	L	E	V	A	R	T
S	I	J	B	D	S	R	B	A	Z	D	W	B	D	H
L	O	T	O	X	Y	I	V	K	Y	B	H	N	L	E
U	P	A	R	T	Y	T	M	S	W	Y	O	J	O	B
F	W	T	K	S	B	O	H	D	G	I	F	T	S	U
K	B	I	H	W	N	W	Q	A	T	M	D	W	H	T
N	H	O	L	I	D	A	Y	A	N	O	L	D	X	M
A	Y	N	X	M	T	J	C	N	B	K	V	R	B	U
H	A	B	S	K	X	I	B	T	H	N	S	A	C	U
T	C	D	J	Y	N	Y	F	E	A	S	T	C	L	C
W	A	L	S	U	H	L	U	N	L	K	J	I	D	A
W	O	O	M	Z	K	H	N	N	O	D	O	S	Z	V
L	I	M	A	X	D	V	W	A	S	L	H	Q	L	S
S	O	W	H	K	S	S	A	M	T	S	I	R	H	C
C	N	D	E	Q	U	I	P	M	E	N	T	B	O	W



HAM Spot Light

## K6UMA



Generally, when one ponders the passing of the Ham tradition in a family, one imagines the passion traveling from the top to bottom—from father to son. Yet, in some families like Joe McCormick's, the son introduced the world to his parents and so K6UMA's story begins.

Joe's enthusiastic twelve year old son, John, brought Amateur Radio into the house when he met the would-be family Elmer, K6BCG, Andy Andersen. Mary, Joe's wife, taught John Morse Code from a book while Joe built a practice oscillator. The father and son duo joined Andy's new SOBARS and tinkered with a DX-40 HEATHKIT transmitter and BC-348 surplus receiver with a folded dipole antenna at home.

For a short while, Joe and his family let radio go after they moved in 1963 from Chula Vista to La Mesa. An ad for a Hamfest in Mobile, Alabama, brought Joe back to Ham life in 1979. He says after attending, they "got the radio bug again." Joe came to ARCEC through K6CR Cliff Richardson. Joe is WAMO #773 and has made about 440 contacts. Currently he is a member of the VEC team.

Joe and his wife, Mary, are both native San Diegans and met in high school. They married Christmas Eve in 1942. At the time he was a cadet in the Army Air Corps. During his service with the Army Air Corps from 1942 to 1945, Joe flew a total of 57 combat missions in the Mediterranean theater as a pilot in B-25 Mitchell Bombers. Joe returned home in a war-weary B-25G through Africa, across the Atlantic and up the coast of South America. He served as an instructor pilot until he was discharged in 1945.

In 1947, Joe joined the Army National Guard and went into active duty in 1950. He spent his time at Fort Lewis, WA, Camp Stoneman, CA, and the island of Okinawa. He rejoined civilian life in 1953 after resigning as captain. He worked several different jobs, including systems analyst, computer

programmer, electronics mechanic and office work, with the Naval Civil Service until he retired in 1970.

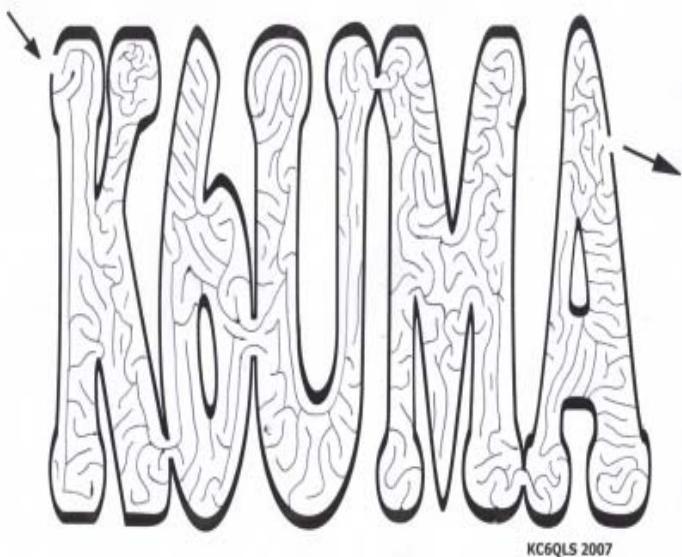
That year, he and Mary also bought their first motor home. Nine years later they were seasoned "RVers" and began a seven month, 11,000 mile trip. After 36 years of motor home travel, they sold their sixth mobile home, which was equipped with an ICOM-706 and a screwdriver antenna, in the summer of 2006 and returned to the stationary life at home. He has been active on the RV Service Net (7268.5 mc Mon.-Fri.) since the 80's and a net control since 1984.

And to think, all those years of Ham life began with his son. No longer just a voice on the radio, the spotlight shines on K6UMA.

And now another new voice on the radio...

73,

Tassy Rios, KI6FIH



KC6QLS 2007

### Jokes " Two Antennas"

Two antennae met on a roof, fell in love, and got married. The ceremony wasn't much, but the reception was excellent.

Lisie KI6EEK

**The Editor's  
Corner  
KC6QLS Paul**



We have some new things to put into the Counterpoise this year. We started off last month with "Brain Thinkers". I got some feed back that they were a hit. We will continue them in 2007. The two columns *Down Below* and *Chicken Noodle Soup for the Ham Radio Operator's Soul* will alternate every other month only due to space. These two columns have been a big hit!

It has been a lot of fun putting together the Counterpoise for the past few years, and I will continue to try my best to keep it from going digital, like some of the others clubs newsletters. I find that over half of the members enjoy getting the Counterpoise in the mail each and every month.

Please send your ideas and comments to [WA6BGScounterpoise@cox.net](mailto:WA6BGScounterpoise@cox.net) Subject line "Counterpoise"

73  
Paul KC6QLS  
Editor

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**Public Relations**

This year I hope that we could get more media attention for Field Day 2007. I'm working on a few things and hope for the best. We need to get the word out about what we do up there in the hills. The public knew that we helped out in the Fire Storm in 2003, but that is old news now. We need to plan some small events this year and/or get involved more with the City of El Cajon.

What are your thoughts about this?

Please send your ideas and comments to [WA6BGScounterpoise@cox.net](mailto:WA6BGScounterpoise@cox.net) Subject line "PR"

73  
Paul KC6QLS  
Public Relations

# **Volunteers Needed**

**Up Coming Events  
Field Day  
Please Sign up at the next meeting**

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## **NEW E-Mail**

Address for the Counterpoise. Please submit all *Counterpoise* Mail to:  
**WA6BGScounterpoise@cox.net**

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## **Prize Table Needs Help**

Thank you for your contributions to the Prize Table! We still need your Support and Help or it may just end up a thing of the past. To Help, contact WA6PPG Carl Ferree at 328-2694 e-mail at cferree@IEEE.ORG

---

## **Things to keep in mind**

*Get on the El Cajon ARC Reflector  
To sign up visit:  
<http://groups.yahoo.com/group/elcajonarc/>*  
You will get the latest news about The Club and things going on in the Ham world.

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## **Quote of the Month**

"Union gives strength."  
- Aesop *The Bundle of Sticks*

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Plaza Las Palmas Center  
1255 Avocado Ave. Suite 103,  
El Cajon, CA 92020 (619) 440-4031

# Crest Radio Museum

Pat Bunsold, WA6MHZ



## The Conar 452

While not as antique as most of the Crest Radio Museum items, this radio is indeed one of the rarest. Has anyone ever seen or heard of one of these? No, I didn't think so. Back in the early 1970s, there was this correspondence course company called NRI, or National Radio Institute. They did well training folks on how to repair radios and TVs, and as the 70s began with a high interest in 2 meter FM, they decided to make a course on Synthesized radios and such. Out came the 452, a Kit of sorts, but one that taught you exactly how the circuit works as you build it. Heathkits told you how to build and then gave you a lightly covered discription of the circuit functions. You were supposed to be more interested in the finished product than how it worked. NRI couldn't have sold many of these as there are so few in the world out there. It features nice plug in boards for each section, and an attractive digital readout of the frequency. Plus and Minus 600 KHz shift as well as 5Khz offset were standard, but no PL. This was long before PIs were the norm. This is a very large radio, roughly the size of a Yaesu FT847 or 897, and just as heavy. Would take up a lot of room under a dashboard, but early 70s cars still had a big Dash. This rig seems to be very sensitive, hearing my sig gen down to -107 dbm and less, but the transmit Power amp is blown. It has an obscure block module that could be replaced with a new version if I desired it to be working rather than original. Not particularly needing another working 2MFM, I will watch Ebay for another module to turn up. The front panel and dial were cleaned up with the magic NOVUS polish so it looks brand new. Can't find any docs anywhere on this very rare radio either, so will again have to wait for an Ebay miracle.

Today's other radio in focus today is the Heathkit SB-301. The SB-301 is a 80-10 SSB Reciever from about 1966. These are quite common and most are still in use, except for the ones that are chopped up and resold on Ebay. But that is how this one was built. Over time, I collected the parts to build this. All bought seperately were the chassis, PCBs, transformer, LMO, dial parts, front panel, cabinet and most of the rest of the radio. Once all the parts were collected, I assembled and aligned this Frankenstein type radio. Works great! On the back you can see the Heathkit 2M and 6M converters giving all band coverage. (no WARC though!) Even by todays standards, this tube radio is one of the finest ever built.

But, getting back to the cottage industry of Radio Chop Shops: Suppose you were walking along a swapmeet and saw a Heathkit radio sitting there. At a good price. Naturally you would pick it up and decide to restore it. But some Hams are very greedy. Rather than bring it back to life they cut it up. Chop all the valuable parts out of it, especially the crystals, dial parts and filters. The tubes are yanked and all the knobs and anything that isn't nailed down is pulled. Then they put these individual parts on Ebay, knowing they will be bid up like crazy. They wind up making hundreds of dollars in parts sales as compared to much less for the whole intact radio. The whole point is GREED!!! They sneak around to Estate sales, buying low and selling high to pad their already fat wallets. Taking advantage of people on both ends of the sale. This drives the price of radios through the roof, where people will pay far more than the stuff is really worth. I see the same thing even on manuals!! Can you believe a B&W 5100B manual, which normally should be worth about \$30 at best, went for over \$220!!!! I probably spent 3 times what this SB301 is worth in buying up the parts individually, but now it is complete and working great. This is as close to assembling a new Heathkit as you can get. The craziest thing about Heathkits is the world of the UNBUILT KITS!! Some will remember the Heathkit AT-1, a 50W CW transmitter from about 1952. In perfect condition, they will command about \$100, maybe a little less. So some clown found an Unbuilt one and put it on Ebay. It went for over \$5000!!!! Holy Mackeral!!! And what did the buyer do with it? Being filthy rich, he BUILT IT!! Now it was worth \$100! Easy come, easy go! I saw the same thing with a HW-101. It went for \$1200!! Built it was worth \$75! I have my own Un-built Heathkit too. I was digging in a house about to be bulldozed and found most of a 1962 Heathkit IP-12 Power supply kit. Unfortunately, it was missing the very rare transistors and a few other parts, but the rest of it is there. If it was built, \$20 would be too much for it. But un-built, and the longer I hold onto it, it may be worth towards \$500 by now. Going up every day. I just can't understand how a Ham would have gone to the Heathkit store, bought a new kit and NEVER built it! I know I couldn't wait to get home to start assembling, but here, 50 or more years later, these Un-built kits still resurface from deep in Silent Key's garages and are now worth thousands!!! What is in YOUR garage??? Make sure you tell your survivors NOT to sell it off to Carpetbaggers looking to make money on Ebay!! Lets get these vintage radios into the hands of people who Really appreciate them, and will restore and treasure them. I would just roll over in my grave to think of this beautiful SB-301, in MINT condition, being hacked apart to sell for parts!!!

—

Pat Bunsold WA6MHZ  
San Diego Section Manager  
Curator, Crest Radio Museum

# Chicken Noodle Soup for the Ham Radio Operator's Soul

## "Ham Radio and Behind-the-Wheel Performance"

Turmoil and change have shaken the ranks of our hobby in recent years. Controversy over incentive licensing, the role of the code, and concern over the dwindling ranks of our hobby have caused angst and sown the seeds of division among hams, young and old. Now, with the spring of renewal in Cycle 23 upon us, it is time for a healing catharsis for our hobby, with "Chicken Noodle Soup for the Ham Radio Operator's Soul".

Results of a new study commissioned by Ham Radio equipment manufacturer Icon America and the National Safety Council reveals some startling results when driving and Ham Radio are mixed.

Behind the wheel performance of a group of ARRL-member hams was analyzed to determine the impact of operating Ham Radio HF, VHF, and UHF transceivers while driving. The Hams were studied to determine the impact of operating radio equipment on a range of driver skills including eye-hand coordination, driver reaction times, following distances, and lane changes. In brief, the results were nothing short of startling.

Contrary to popular belief, operating radio equipment enhanced driver performance in a number of areas. National Safety Council Director Dr. Bill Crackup explains. "Our focus group was representative of today's Ham Operators. Ages ranged from 45 to 78. Regression analysis of data indicate waistline sizes were not a factor in the study. The drivers studied outperformed the 'undistracted group' by a factor of 4 to 1. Eye-hand coordination performance was greatly enhanced, as were reaction times, and safe following distances. This is remarkable". Crackup explains "Prior to the study, common thinking among safety professionals was any behind the wheel distraction could potentially degrade driver reaction times. Clearly, in the case of Hams operating mobile, we were wrong."

Asked why Ham Radio might enhance driver performance, Crackup speculates on fresh data from the study. "First off, there are some factors we did not expect. For example, a Ham does not have to ask a spouse for directions, eliminating driver frustration and lowering overall stress levels. Our subjects got on a VHF or UHF repeater and were promptly provided with easy-to-understand, step-by-step directions." Another dimension we are still examining is the brain stimulation provided by the

process of reaching for a microphone, drawing the microphone to the subject's mouth, and then squeezing the push-to-talk button. This physical process seems to enhance subject performance, especially during the process of changing lanes.

Another theory was suggested by ARRL Technical Director Dr. Ed "Bugs" Bunny WH2ARE who thinks Ham antennas may be playing a role in the data. "Our Ham HF mobile antenna manufacturers advertising in QST report 3-year sales data tracking 52% above the previous three year period. We're investigating the theory that large segments of the American driving public have learned to avoid drivers displaying exotic Ham Radio license plates and highly visible Ham antennas". There is support for this theory among ARRL staff. The "antenna sculptures" as ARRL staff call the oversize HF mobile antennas, seem to evoke a mixture of curiosity and fear among eastern US drivers. In turn, this reaction seems to only encourage Ham drivers to add larger and more conspicuous antennas to their vehicles. Over time, as this behavior and reaction has continued to unfold, it is resulting in drivers giving Ham drivers more space within which they can maneuver on the road.

Reached for comment on the study at ARRL headquarters in Newington, QST Editor David Sleeper WA1ZZZ explained the League's position on the study. "We're delighted that Icon America and the National Safety Council have chosen to examine the impact of Ham Radio on driver performance. We are confident that our members will continue to exercise good judgment whenever operating Ham equipment while driving." When asked if the League feared an outcome different from the study results announced today, Sleeper made an uncharacteristic out-of-character quip "*You bet your butterfly capacitor we did. We told 'em if the results were anything like we think they'd be, they should keep that darn study to themselves*".

Editor's note: "Chicken Noodle Soup" readers are reminded that driving is a full-time job, requiring all our attention and skills. Any distraction to our driving awareness should be approached with caution. We know that's a conclusion even a "Crackup" will agree with.

73  
Morris Code  
K7CW



# Crest Radio Museum Continued



Conar 452



Heathkit Radio



Heathkit 2M & 6M Converters

## Testing and Classes

### VEC Testing Sites

1 <sup>st</sup> Saturday:	El Cajon 10:00 am First Lutheran Church of EC 867 South Lincoln Ave.
2 <sup>nd</sup> Saturday:	Carlsbad 10:00 am Carlsbad Safety Center Orion Way Carlsbad
3 <sup>rd</sup> Saturday:	North Park 10:00 am North Park Recreation Center 4044 Idaho Street San Diego
4 <sup>th</sup> Saturday:	Chula Vista 9:00 am Salvation Army 643 Third Ave Chula Vista
5 <sup>th</sup> or last Saturday:	Escondido 10:00 am Escondido Chamber of Commerce 720 north Broadway Escondido

To make advance reservations or to find out more info from the site captain, please call 465-EXAM (3926)

### Club Attire

\*\*\*\*\* Shirts on hand. Call for Sizes \*\*\*\*\*  
Get your jackets, hats and t-shirts.  
Show off your club colors and let all know  
that the Amateur Radio Club of El Cajon is  
strong and growing.  
Contact: K6PKS Paul Schmidt (619) 733-2284

### Technician Class License Theory Course Instructor: Mike Maston, N6OPH

Location: 222 W. Madison Avenue, El Cajon  
Time: 7:00 to 9:00 p.m.  
Text: ARRL's Techician Hand Book

Sessions:  
1 – 6 on Tuesday: 1-9-2006 First Class

To enroll Contact: Mike Maston, N6OPH  
Education Chairman  
(619) 296-9067

### Rules for the Prize Table

A prize table drawing will be held at each monthly meeting. The monthly prizes will be self-supporting and the funds for the prizes will be from donations for tickets. Prizes may also be donated. One free ticket will be given to every person signing in who requests a ticket. The tickets will be placed in a container for the monthly prizes. Additional tickets for the monthly prizes will be available for the donations of twenty-five cents (\$.25) each or five (5) for one dollar (\$1.00).

All prizes for the monthly drawing will be displayed before the drawing starts. Call signs or names should be written on the ticket and placed in the container and the other half shall be retained. Folded, mutilated or damaged tickets shall be discarded. Tickets will be drawn one at a time and the person possessing the matching ticket will select the prize and draw the next ticket from the container. This process will continue until all prizes are chosen. Winners must be present to win. A written report from the prize chairman will be furnished for each board meeting for accounting purposes.

### Participation Point Criteria

Participation tickets will be given out using the following criteria: membership meeting attendance, Field Day, Club day for Special Olympics for Track and Field, Club days at the Del Mar Fair (one participation point for each shift worked), Mother Goose Parade, Club Picnic, the Christmas Party, and to those persons who bring refreshments to the general membership meetings. One point will be given for each day participated (with the exception of the Del Mar Fair). One participation point will be given for participation for each ARCEC sponsored net, and one participation ticket will be given for every four "4" nets participation points.

A person will be appointed by the President to maintain a record so participants are accurately credited award points earned when a person works a given event. Event coordinators will be responsible to give this person the name and number of events the participant earned. One ticket will be given at the Christmas party for each point earned and placed in a container for the prize drawings (With the exception of the nets, which will receive one ticket for every four "4" nets).

The prizes for the Christmas Party drawing shall be approved by the membership on a yearly basis, per economic conditions. The Christmas Party drawing will be twelve (12) twenty-five dollar (\$25.00) cash prizes provided by the Club Treasury. Tickets will be drawn from the participation tickets only and continue until all prizes are claimed. Folded, mutilated or damaged tickets will be discarded. Winners must be present to win and only one prize per person.

A Super Drawing consisting of a prize to be determined by the Board of Directors will be awarded at the Christmas Party. The cost of the prize will be underwritten by the club. Proceeds from the ticket sales at the party itself will be used to defray the cost of the prize. Donations for the prize will be one dollar (\$1.00) per ticket. Folded, mutilated or damaged tickets will be discarded. Winner must be present to win.

## Welcome New Members

### New Members



Gregg Potter KF6TFG

Happy New Year! It was sure fun to hand out all those participation point tickets at the Christmas Party. Participation points can be earned by attending meetings and participating in club events such as Field Day, the Mother Goose Parade, Fire Station Open House, San Diego Fair, the WAMO Nets and other approved club events. The rules are posted on the website and points are recorded from the sign in sheets, so please be sure to sign in at all the events you attend.

Two "2" participation tickets will be given to each member who renews their ARCEC Membership prior to or within seven "7" days of their renewal due date (must be postmarked within seven "7" days of the due date on their Counterpoise to receive the two participation tickets).

If any ARCEC members do not wish to be listed on the ARCEC Roster, which is available to all club members only upon request, please contact Ann at [KC6TBG@cox.net](mailto:KC6TBG@cox.net) to be removed from the roster. The new 2007 Roster will be available on Feb. 1, 2007.

Thank you to all members who have renewed. Please check the mailing label on your Counterpoise. If your membership has expired, please take a moment to complete and return the Renewal Application located within this Counterpoise.

73 Ann, KC6TBG



## Christmas Dinner Photos



N6NKJ presents Ham Of the Year to KC6QLS



KF6XY Winner of the RADIO and \$25.00



KF6XY Received Award for most WAMO's

## Christmas Dinner Photos



KF6WXA Received Appreciation Award



Some of the many Awards given out



NJ6F Home Brew Award

Amateur Radio Club of El Cajon  
P.O. Box 50  
El Cajon, CA 92022



PRSR STD  
U.S. Postage  
PAID  
Permit # 182  
El Cajon, CA  
92020

Issue Date 1/2007

### Is your membership ready to expire?

Take a look on your mailing label. Is the expiration date in 2006? Does it say EXPIRED? That means it's time to mail in your yearly dues. Please take time to fill out the membership application in this newsletter, and mail it in, or bring it to the next meeting.



Amateur Radio .... A National Resource